

What is claimed is:

1. A plastic film, comprising: a substrate; and a hard coating layer formed on at least one side of the substrate, wherein the hard coating layer has a crosslinked structure comprising a methacrylic or acrylic polymer with a hydroxyl value of 20 to 80 (KOH mg/g) and a crosslinking agent.

2. The plastic film according to Claim 1, wherein the substrate is a layer comprising a polyolefin resin.

10

3. The plastic film according to Claim 1, wherein the methacrylic or acrylic polymer is a HALS-hybrid methacrylic or acrylic polymer.

4. The plastic film according to Claim 2, wherein the methacrylic or acrylic polymer is a HALS-hybrid methacrylic or acrylic polymer.

5. The plastic film according to Claim 1, wherein the substrate shows a swelling rate of at most 5% after the surface of the hard coating layer of the plastic film is kept in contact with toluene for 5 minutes.

6. The plastic film according to Claim 2, wherein the substrate shows a swelling rate of at most 5% after the surface of

the hard coating layer of the plastic film is kept in contact with toluene for 5 minutes.

7. The plastic film according to Claim 3, wherein the
5 substrate shows a swelling rate of at most 5% after the surface of the hard coating layer of the plastic film is kept in contact with toluene for 5 minutes.

8. The plastic film according to Claim 4, wherein the
10 substrate shows a swelling rate of at most 5% after the surface of the hard coating layer of the plastic film is kept in contact with toluene for 5 minutes.

9. An adhesive tape, comprising: the plastic film according
15 to Claim 1; and a layer of a pressure-sensitive adhesive applied to the substrate or the hard coating layer of the plastic film.

10. An adhesive tape, comprising: the plastic film according
to Claim 2; and a layer of a pressure-sensitive adhesive applied to
20 the substrate or the hard coating layer of the plastic film.

11. An adhesive tape, comprising: the plastic film according
to Claim 3; and a layer of a pressure-sensitive adhesive applied to
the substrate or the hard coating layer of the plastic film.

12. An adhesive tape, comprising: the plastic film according to Claim 4; and a layer of a pressure-sensitive adhesive applied to the substrate or the hard coating layer of the plastic film.

5 **13. An adhesive tape, comprising: the plastic film according to Claim 5; and a layer of a pressure-sensitive adhesive applied to the substrate or the hard coating layer of the plastic film.**

10 **14. An adhesive tape, comprising: the plastic film according to Claim 6; and a layer of a pressure-sensitive adhesive applied to the substrate or the hard coating layer of the plastic film.**

15 **15. An adhesive tape, comprising: the plastic film according to Claim 7; and a layer of a pressure-sensitive adhesive applied to the substrate or the hard coating layer of the plastic film.**

16. An adhesive tape, comprising: the plastic film according to Claim 8; and a layer of a pressure-sensitive adhesive applied to the substrate or the hard coating layer of the plastic film.